



National Weather Service Spring Flood Outlook

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National Weather Service – Omaha, NE
February 27, 2020





Welcome



• Thank you for coming.

Don't forget to take home some handouts.

• We could use river observers, especially for ice jam monitoring. Sign-up after the meeting if interested.



Our goal for this meeting



• Provide the latest information related to the upcoming flood season.

• Provide everyone with resources to stay informed beyond this meeting.



Before we get started





Facebook.com/NebraskaStrongRecoveryProject

FREE & CONFIDENTIAL

Nebraska Rural Response Hotline 1-800-464-0258

National Disaster Distress Helpline 1-800-985-5990



Our goal for this meeting



• This meeting is not meant to provide a final answer on the spring flood threat.

•Rather, the goal is to empower you with information and preparedness in the days and weeks to come.



Flood Preparedness



 Consider improving how you get weather updates and start monitoring conditions on a regular basis.

• Have multiple ways to get information.

• Contact your county Emergency Manager as needed.



Levee Repair Status



• For the latest on levee repairs, reference the following website:

https://www.nwo.usace.army.mil/Omaha
 -District-System-Restoration-Team/



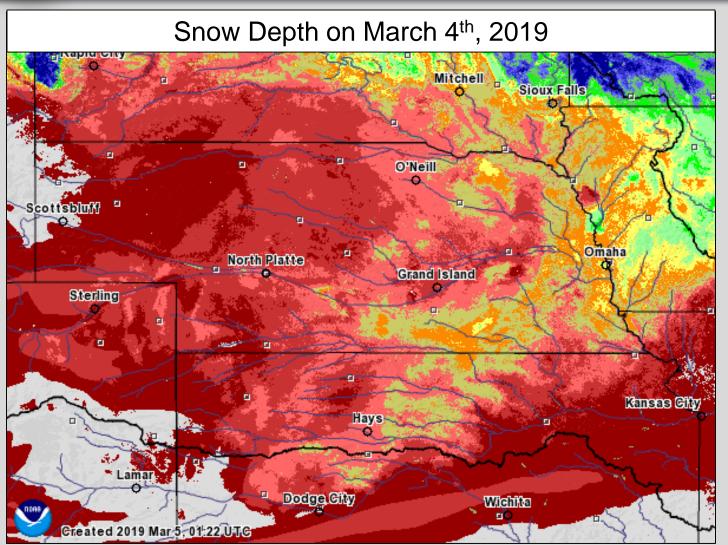


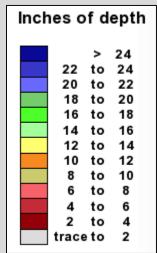
What is there left to say?





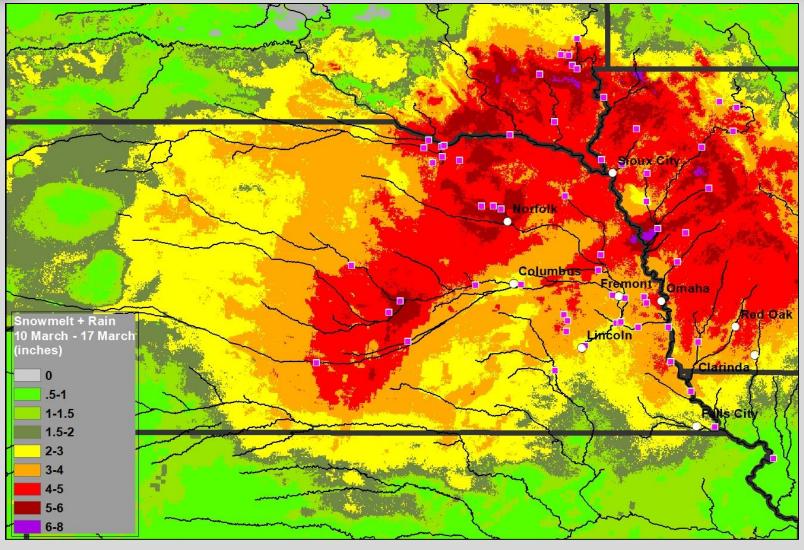






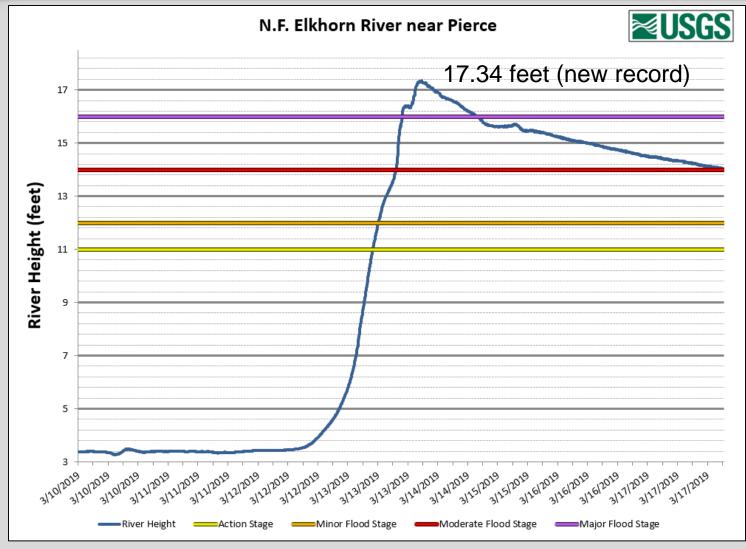








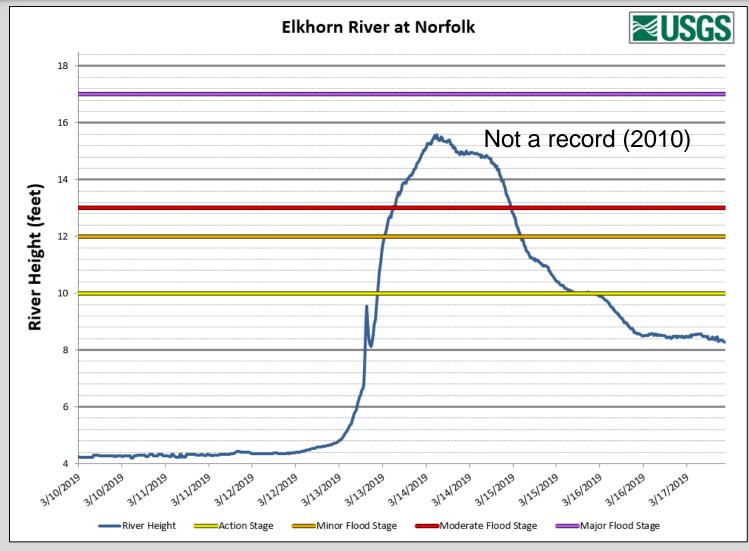








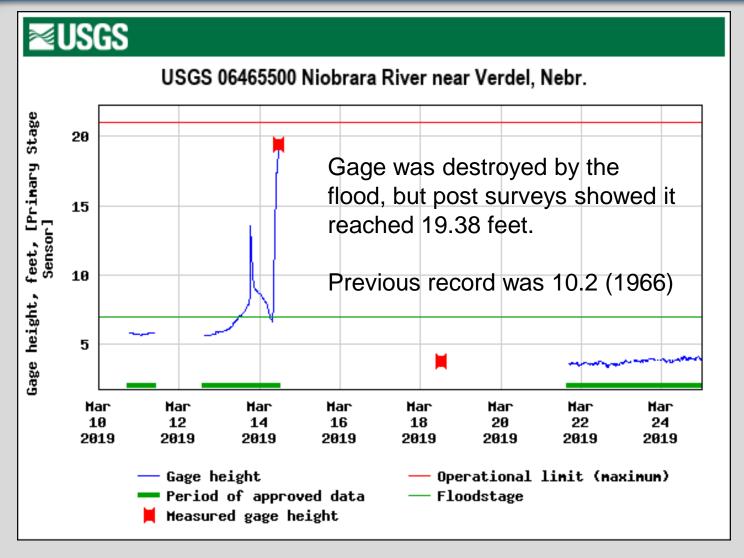














Bottom Line for March 2019



•One factor alone wouldn't have been enough to create that flood. We needed:

- Deep snow
- Frozen ground
- Heavy rain
- Thick river ice





The Flood Risk for 2020



Spring Flood Outlook Factors for 2020



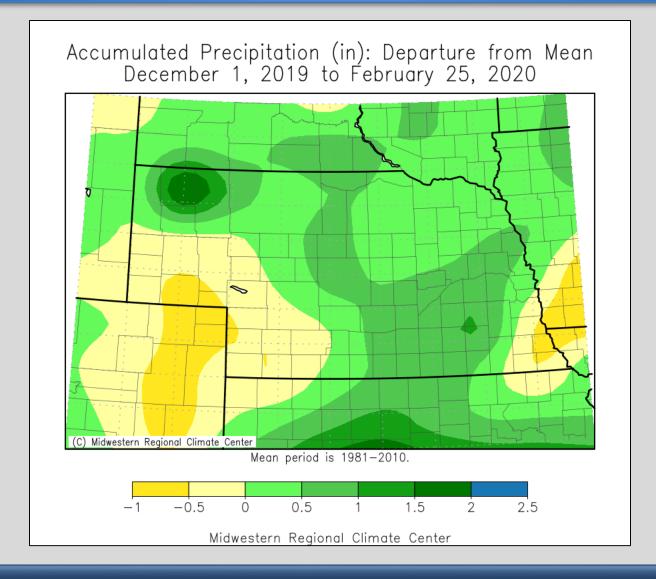
As of February 27th

Flood Risk Contribution Factor	Contribution to Flood Risk
Snowpack (Plains)	Below-Normal Risk
Snowpack (Mountains	Normal Risk
Soil Moisture	Above-Normal Risk
Frozen Ground	Below-Normal Risk
Amount of water in the river	Much Above-Normal Risk
Precipitation Outlook	Normal Risk
Ice Jams	Below-Normal Risk



Winter Precipitation (so far)



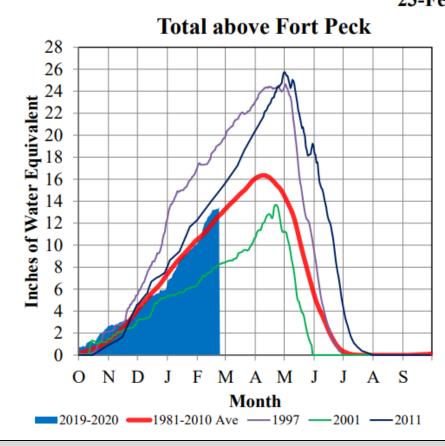


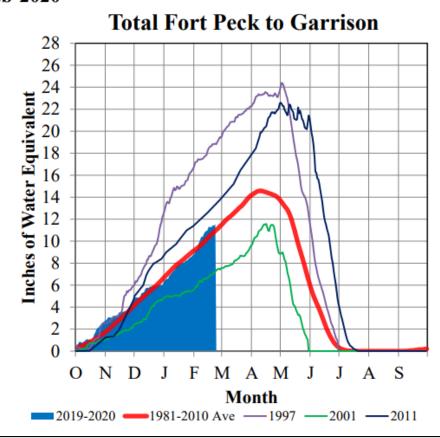


Current Mountain Snowpack



Missouri River Basin – Mountain Snowpack Water Content 2019-2020 with comparison plots from 1997*, 2001*, and 2011 23-Feb-2020

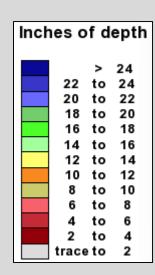


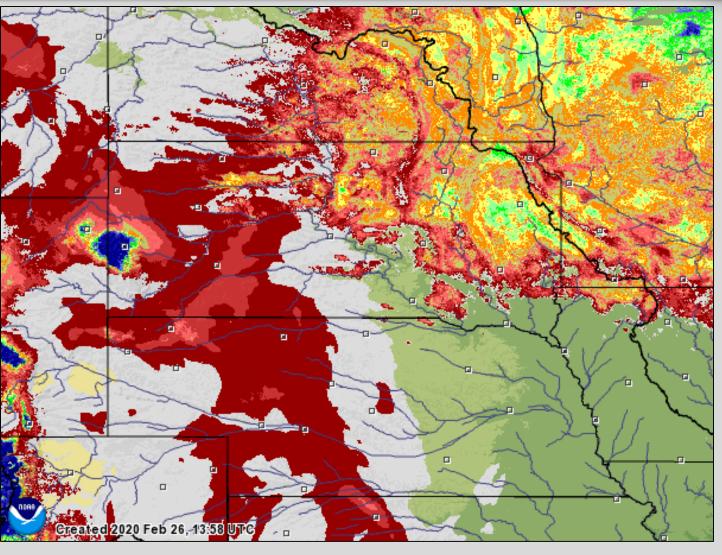




Current Plains Snowpack



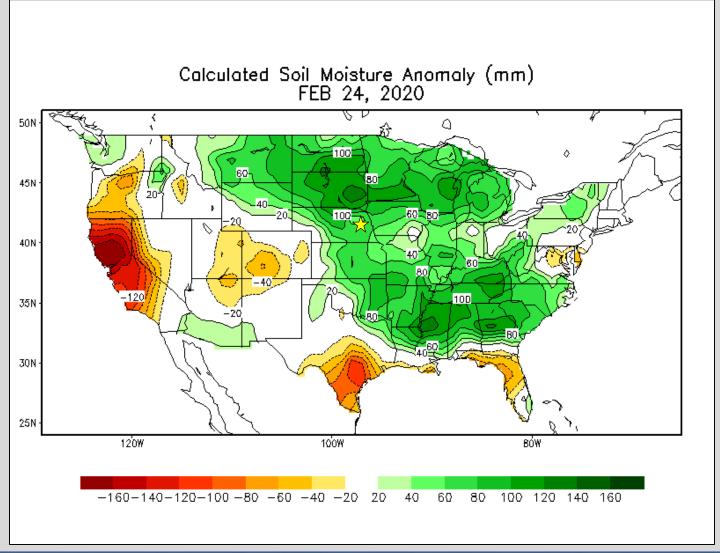






Current Soil Moisture



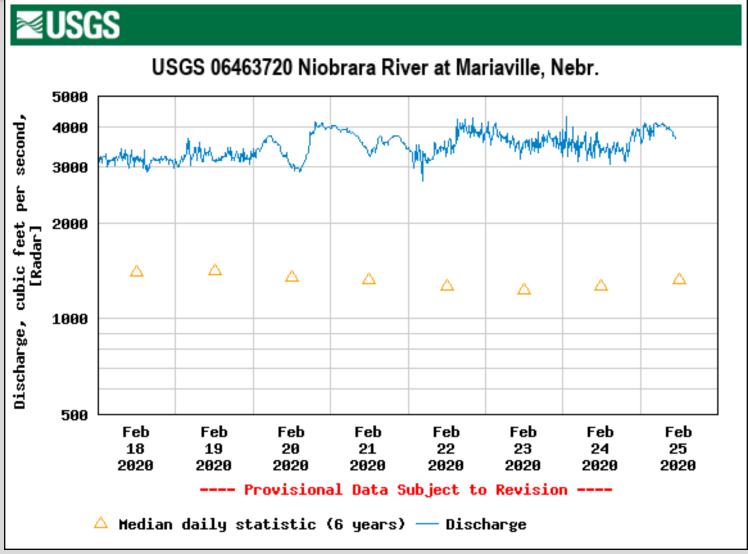






Amount of water in the river

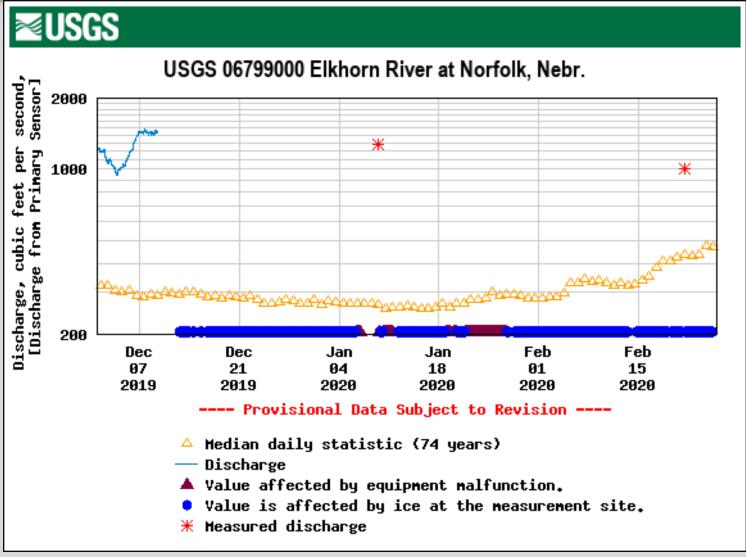






Amount of water in the river

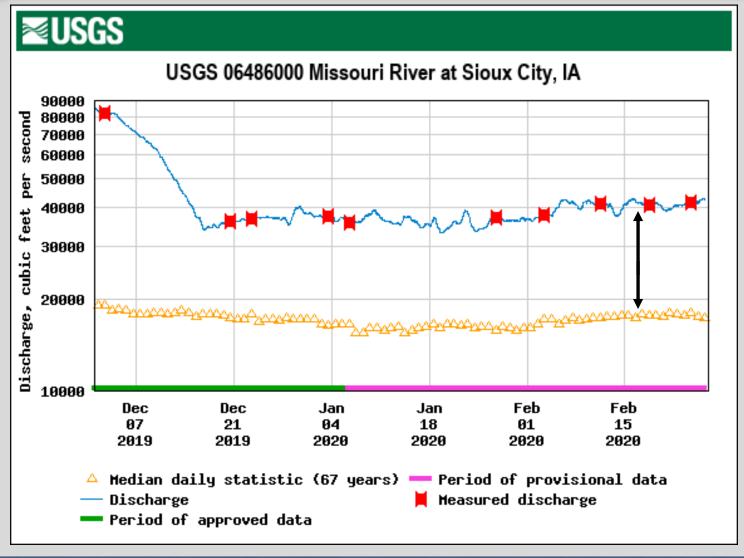






Amount of water in the river

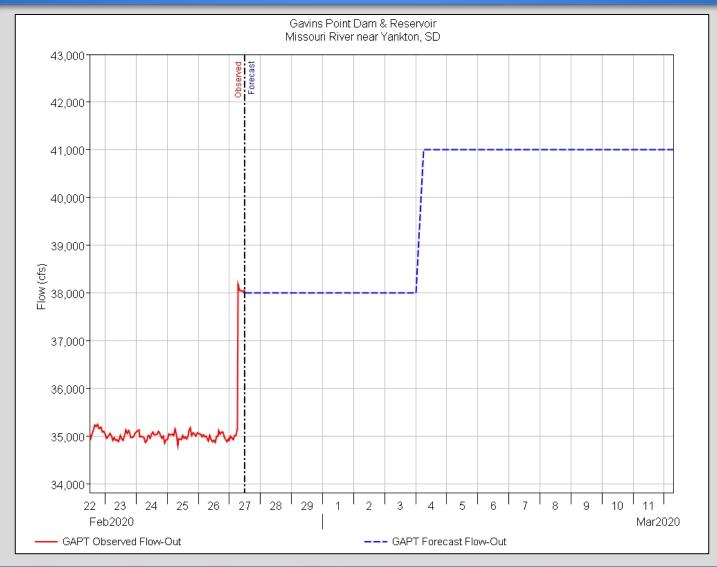






Gavins Point







River Ice Conditions



Some ice remains along the Elkhorn River near Tilden

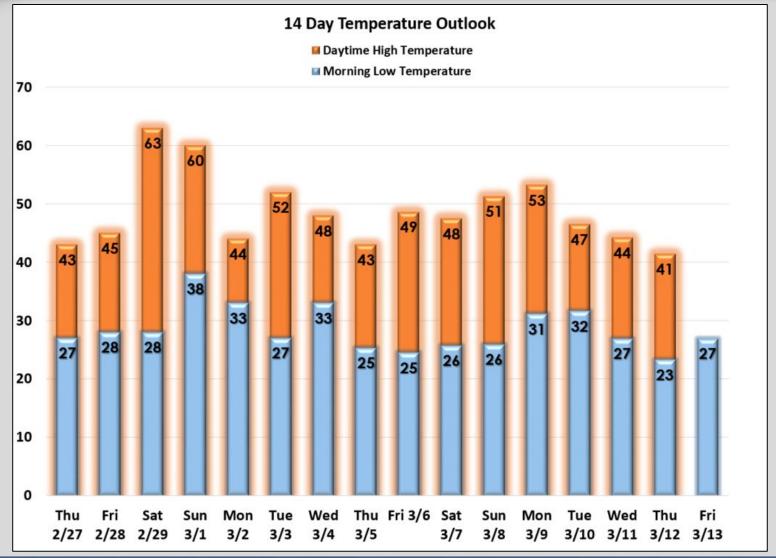
Other areas to watch are the Niobrara River as there are typically ice issues there each year.

No reports to confirm ice thickness or coverage.



Temperature Outlook (Short Term)



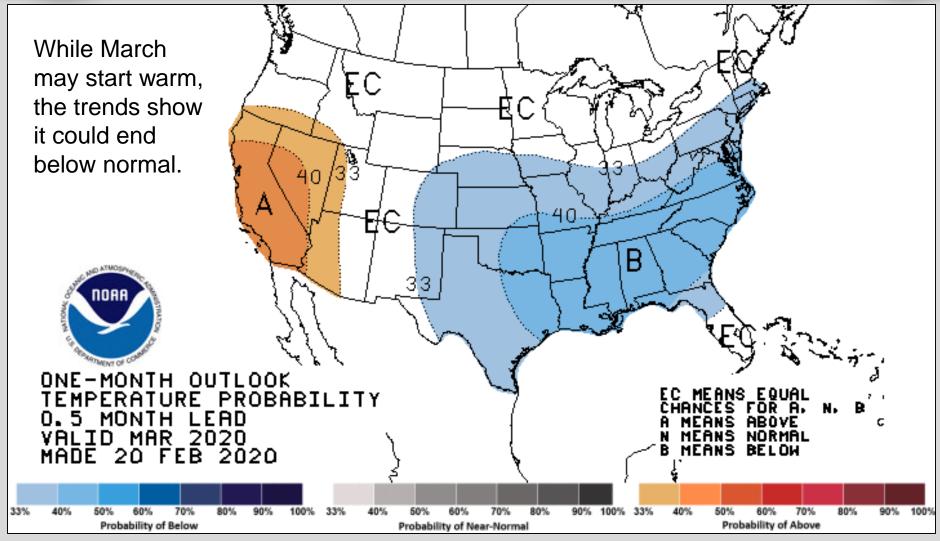






Temperature Outlook (Long Term)



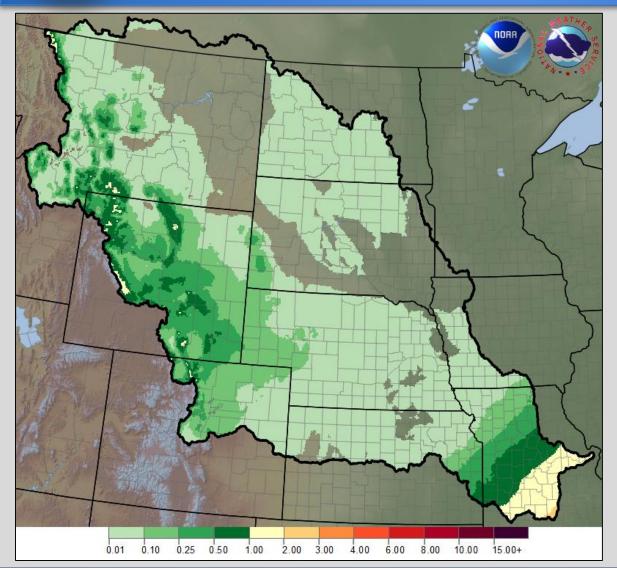






7 day Precipitation Outlook



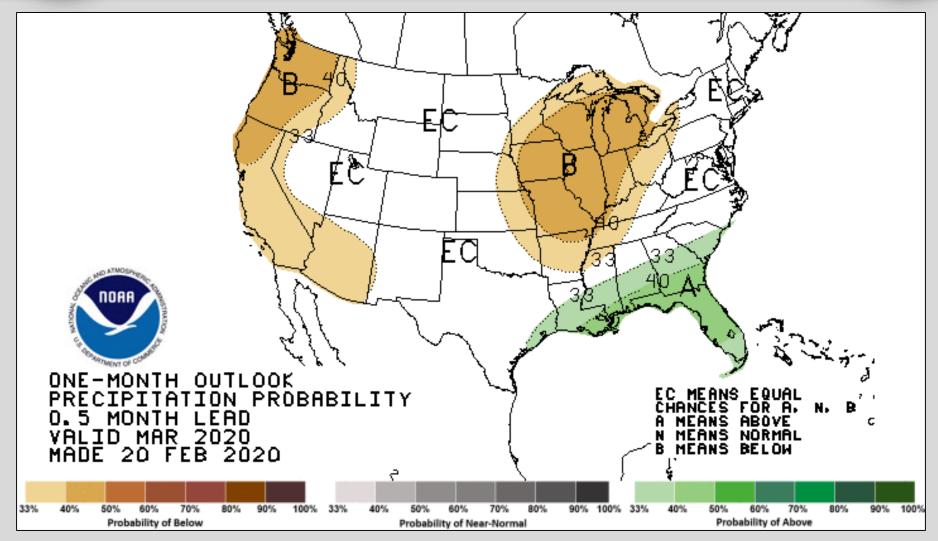


 For the next several days, precipitation is focused well away from northeast Nebraska.



Precipitation Outlook (rest of March)



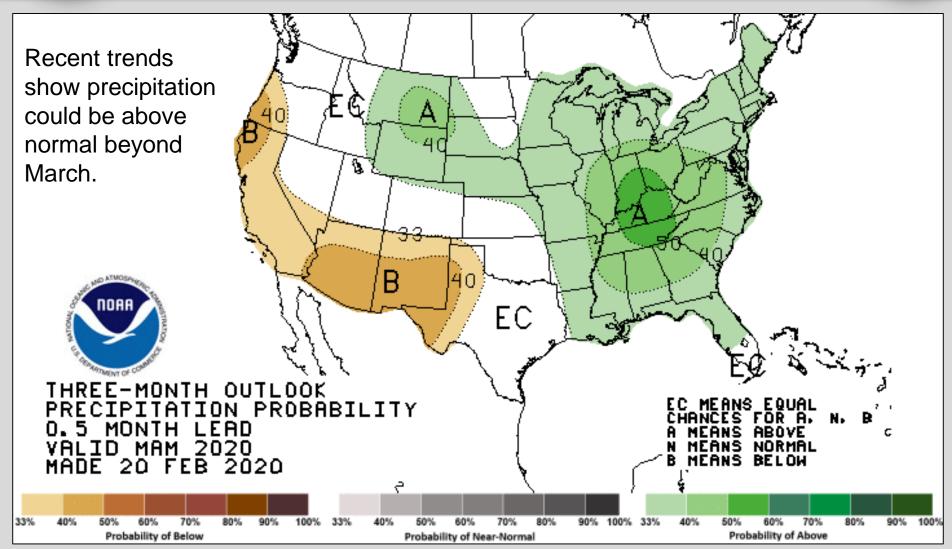






Precipitation Outlook (beyond March)







Flood Outlook

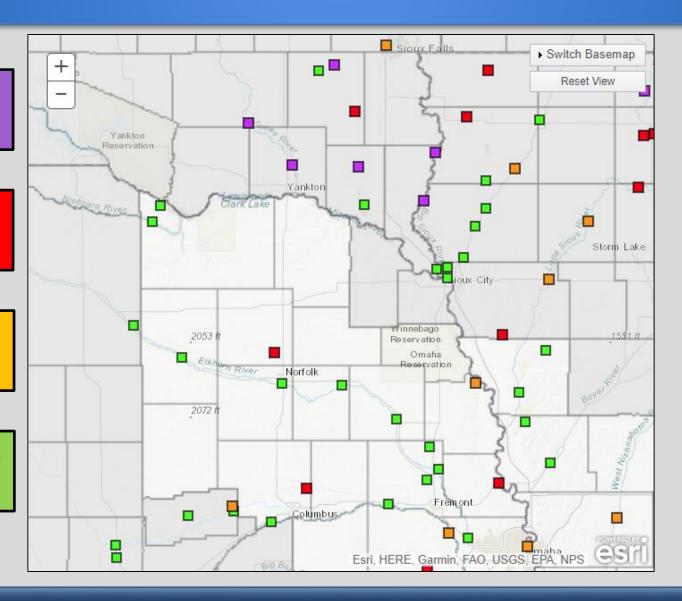


Increased Risk for Major Flooding

Increased Risk for Moderate Flooding

Increased Risk for Minor Flooding

Normal Risk for Flooding





Summary



- Overall flood risk this spring:
 - There is an above-normal risk for flooding this spring.

- This year the magnitude of flooding will greatly depend on:
 - Location and intensity of spring rains.



Next Steps



- Our is plan is to provide updates on:
 - Feb. 27th this is already on our website
 - Mar. 12th

•All updates will be posted to weather.gov/omaha



Upcoming Meetings



• 5 March – Sidney, Iowa

• 11 March – Bellevue, Nebraska

https://www.weather.gov/oax/springfloodmeetings



Thank You!!



National Weather Service Spring Flood Outlook



For questions & additional information:



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http://www.weather.gov/omaha

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